Precalculus   Name_____

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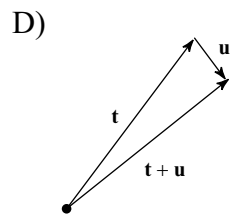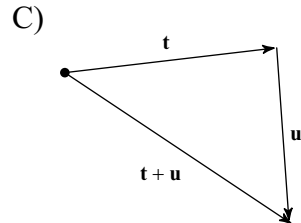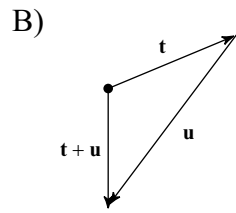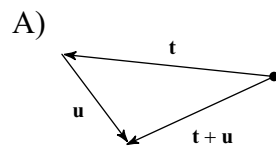## Geometric Vectors REDEMPTION

Draw a vector diagram to find the resultant of each pair of vectors using the triangle method.

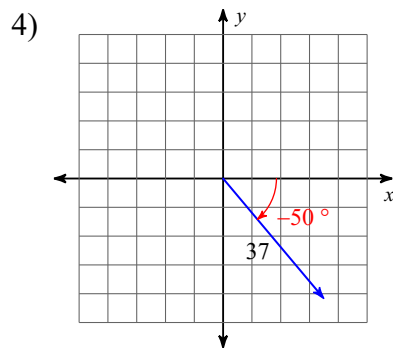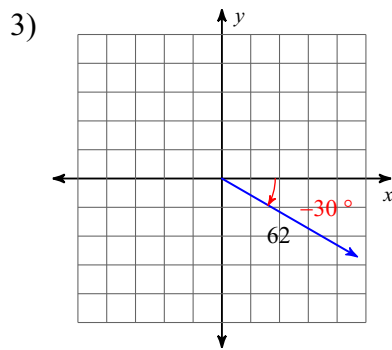1) $\mathbf{t} = \langle -14, 1 \rangle \, \mathbf{u} = \langle 13, -9 \rangle$

A)

B)

C)

D)

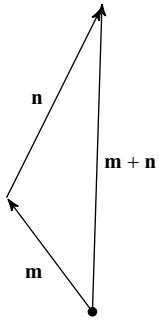2) $\mathbf{t} = \langle 12, 16 \rangle \, \mathbf{u} = \langle 3, -4 \rangle$

A)

B)

C)

D)

Write each vector in component form.

3)

4)

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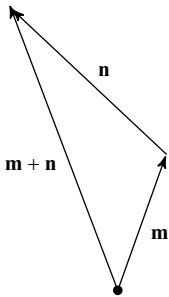
Draw a vector diagram to find the resultant of each pair of vectors using the triangle method.

5) $\mathbf{m} = \langle -9, 12 \rangle$ $\mathbf{n} = \langle 10, 20 \rangle$
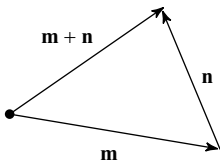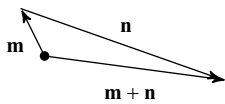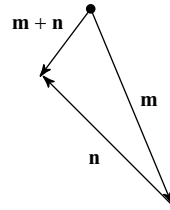
   A)

   B)

   C)
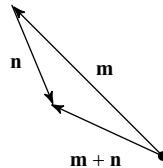

   D)

6) $\mathbf{m} = \langle 8, 15 \rangle$ $\mathbf{n} = \langle -5, 12 \rangle$
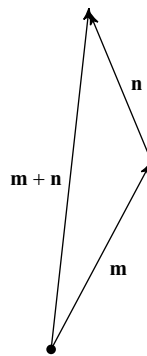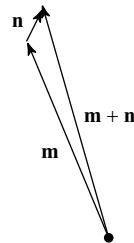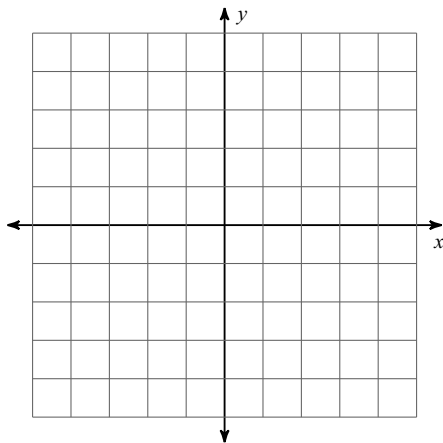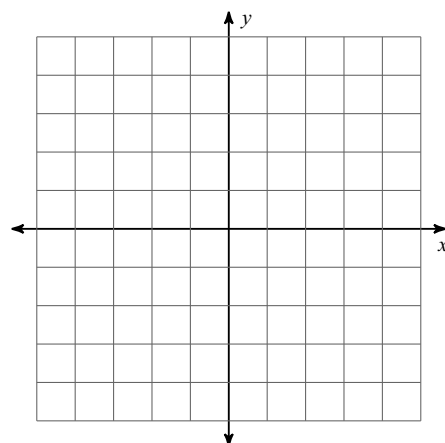
   A)

   B)

   C)

   D)

Find the following information for each vector, if not provided in the question: Graph, component form.

7) $\mathbf{a} = \langle 8, 3 \rangle$

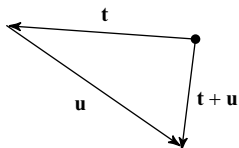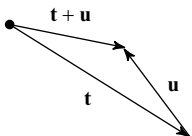8) $\overrightarrow{RS}$ where $R = (2, 3)$ $S = (1, -3)$

Precalculus

Name_____

Geometric Vectors REDEMPTION

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1) $t = \langle -14, 1 \rangle$ $u = \langle 13, -9 \rangle$

*A)

B)

C)

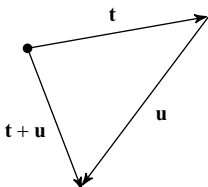D)

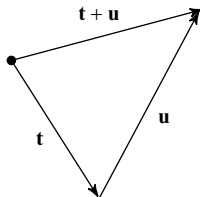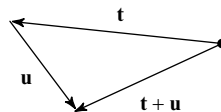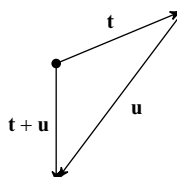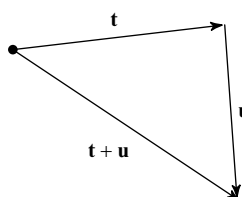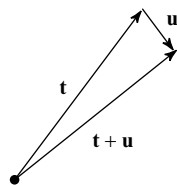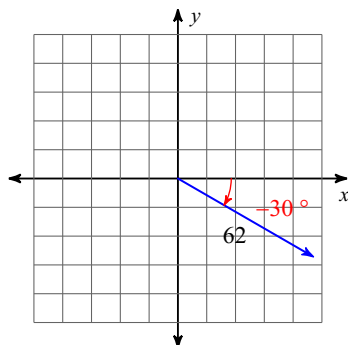2) $t = \langle 12, 16 \rangle$ $u = \langle 3, -4 \rangle$
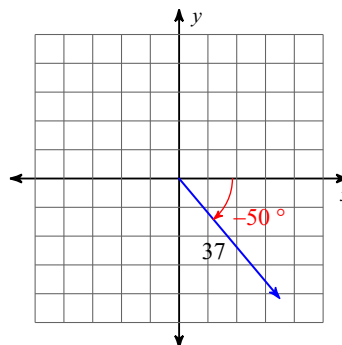
A)

B)

C)

*D)

Write each vector in component form.

3)

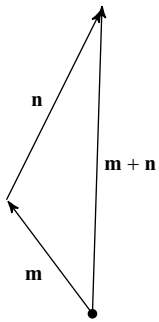$\langle 31\sqrt{3}, -31 \rangle$

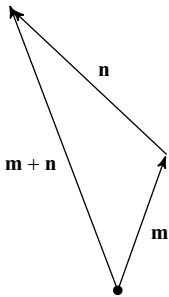4)

$\langle 23.78, -28.34 \rangle$

Draw a vector diagram to find the resultant of each pair of vectors using the triangle method.

5) $\mathbf{m} = \langle -9, 12 \rangle \; \mathbf{n} = \langle 10, 20 \rangle$
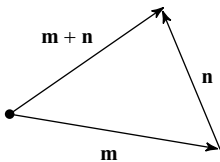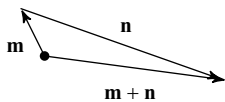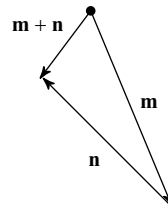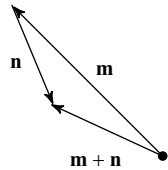
*A)

B)

C)

D)

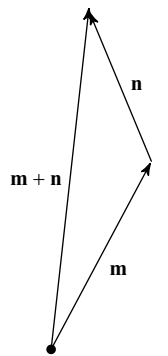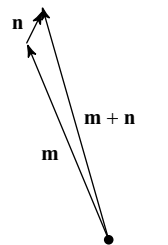6) $\mathbf{m} = \langle 8, 15 \rangle \; \mathbf{n} = \langle -5, 12 \rangle$
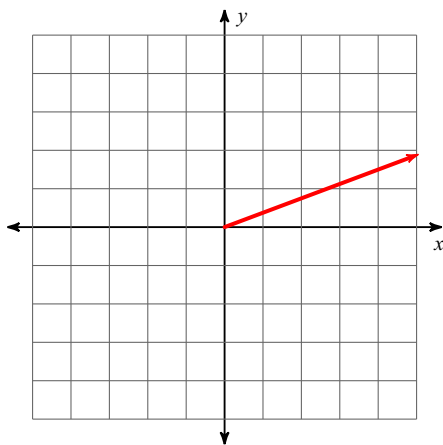
A)

B)

*C)

D)

Find the following information for each vector, if not provided in the question: Graph, component form.

7) $\mathbf{a} = \langle 8, 3 \rangle$

8) $\overrightarrow{RS}$ where $R = (2, 3) \; S = (1, -3)$

$\langle -1, -6 \rangle$