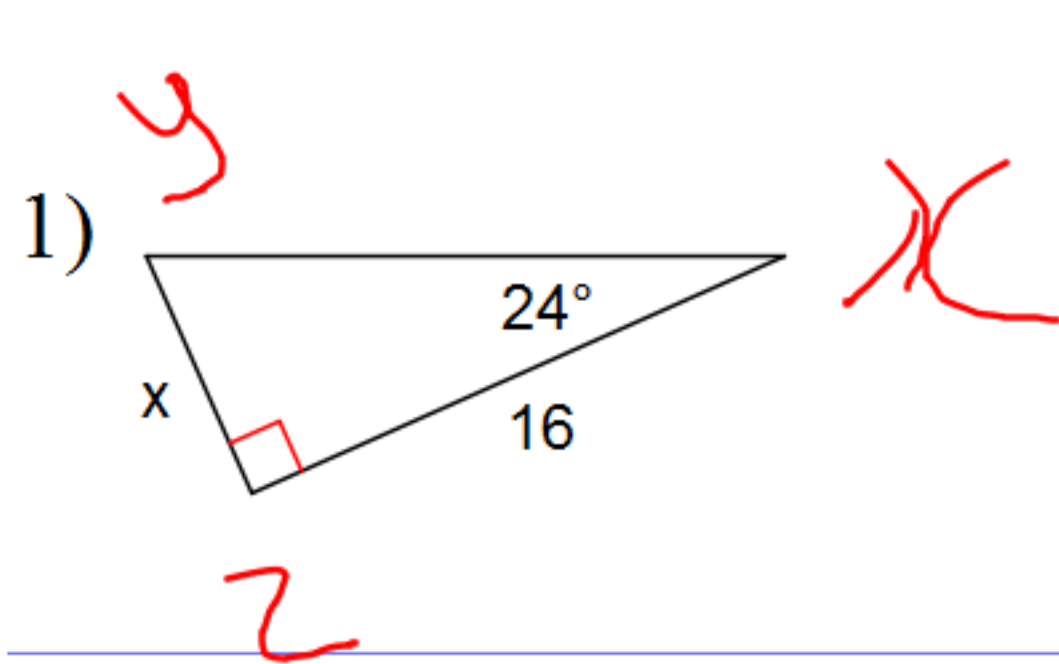


$$\left(\frac{4n^2 \cdot 3n^2}{4n^4} \right)^4$$

$$= \left(\frac{12n^4}{4n^4} \right)^4$$

$$= \left(3 \right)^4 = 81$$

Solve the triangles. All sides and all angles. Round to the nearest tenth.



$$\begin{aligned} \angle x &= 24^\circ & x &= 7.1 \\ \angle y &= 66^\circ & y &= 16 \\ \angle z &= 90^\circ & z &= \end{aligned}$$

$$\begin{aligned} 180 - (90 + 24) \\ = 180 - (114) \\ = 66^\circ \end{aligned}$$

$$\tan x = \frac{O}{A}$$

$$\tan 24^\circ = \frac{x}{16}$$

$$x = 7.1$$

$$16 \tan 24^\circ = x$$

☒ Question numbers ☐ Show answers
☒ Directions ☒ Changing questions hides answers
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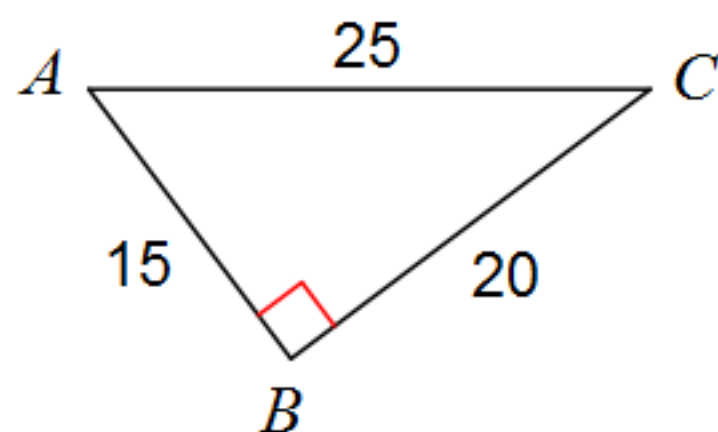


1-up

Find the value of each trigonometric ratio to the nearest ten-thousandth.

S O H C A H T O A

25) $\cos C$



A) 0.6000

B) 0.8000

C) 1.3333

D) 1.2500

$$\cos C = \frac{a}{h}$$

$$\cos C = \frac{20}{25}$$

☒ Question numbers ☐ Show answers
☒ Directions ☒ Changing questions hides answers
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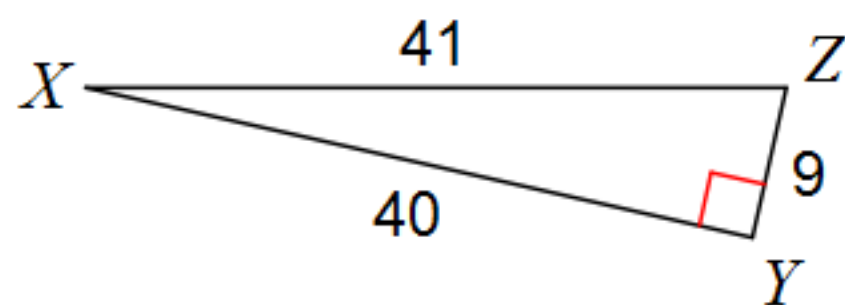
Jump



1-up

Find the value of each trigonometric ratio to the nearest ten-thousandth.

17) $\sin X = \frac{O}{H}$

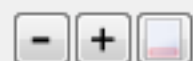


$$\sin X = \frac{9}{41}$$

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- Equations, graphing
- Equations, solving
- Inequalities
- Angles
- Arc length
- Coterminal
- Measures of
- Quadrants
- Reference angles
- Sector area
- Sketching
- Arc length
- Area
- Heron's Formula
- Of triangles using trig.
- Arithmetic mean
- Arithmetic sequences

2.00 pages



29 questions

Current question sets (5):

6 × Factoring Special Cases
 4 × Factoring Special Cases With a Common Fa
 6 × Factoring Quadratic Expressions (a not 1, co
 8 × Factoring Quadratic Expressions (a not 1, co
 5 × Solving Quadratic Equations By Factoring

Math 11C

Name _____

Factoring Review

Factor each completely.

1) $p^2 + 8p + 16$

$$= (p+4)(p+4)$$

3) $4x^2 - 9$

$$= (2x+3)(2x-3)$$

5) $16n^2 - 9$

2) $4m^2 + 12m + 9$

$$= (2m+3)(2m+3)$$

4) $x^2 - 16$

6) $p^2 - 4$

7) $50x^2 - 80x + 32$

8) $n^2 + 10n + 25$

9) $8r^2 + 40r + 50$

10) $4b^2 + 20b + 25$

11) $10m^2 - 39m + 27$

12) $4k^2 - 21k - 18$

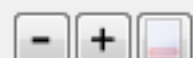
13) $9b^2 + 17b + 8$

14) $9x^2 + 41x + 20$

Filter Index Order

- Absolute value
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0.41 pages



2 questions

Current question sets (2):

1 × Parabolas: Graphing + Finding Properties

1 × Parabolas: Graphing + Finding the vertex

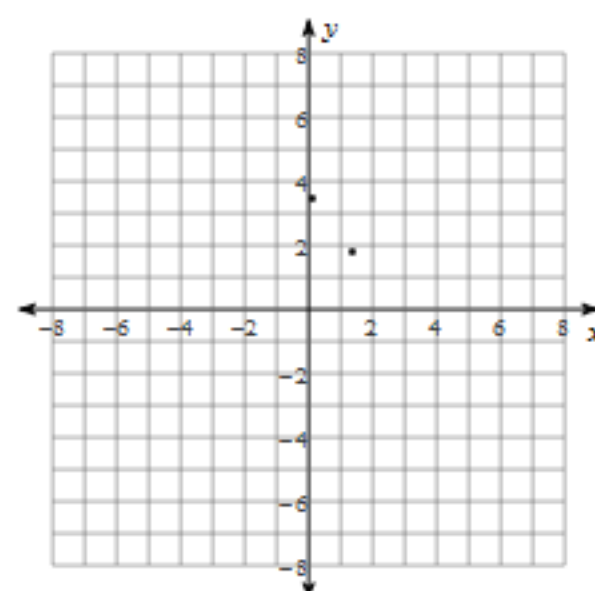
Math 11C Exam Review

Name _____

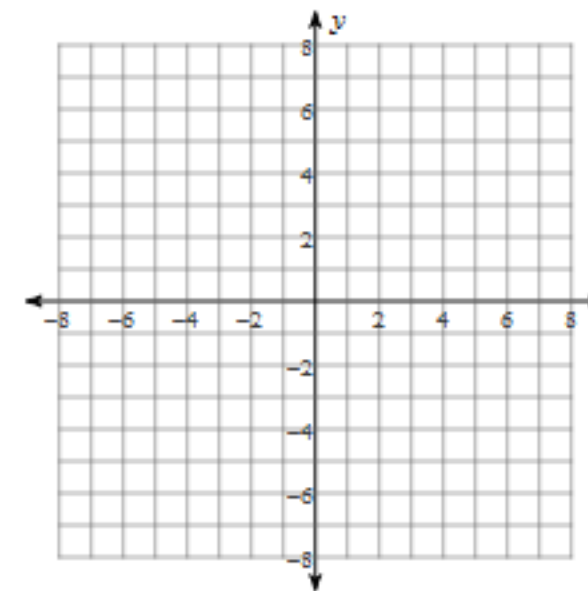
Finding Vertex & Graphing Parabola

Identify the vertex, axis of symmetry, min/max value, and y-intercept of each., zeros (if any) Then sketch the graph.

1) $y = -(x - 4)^2 + 4$

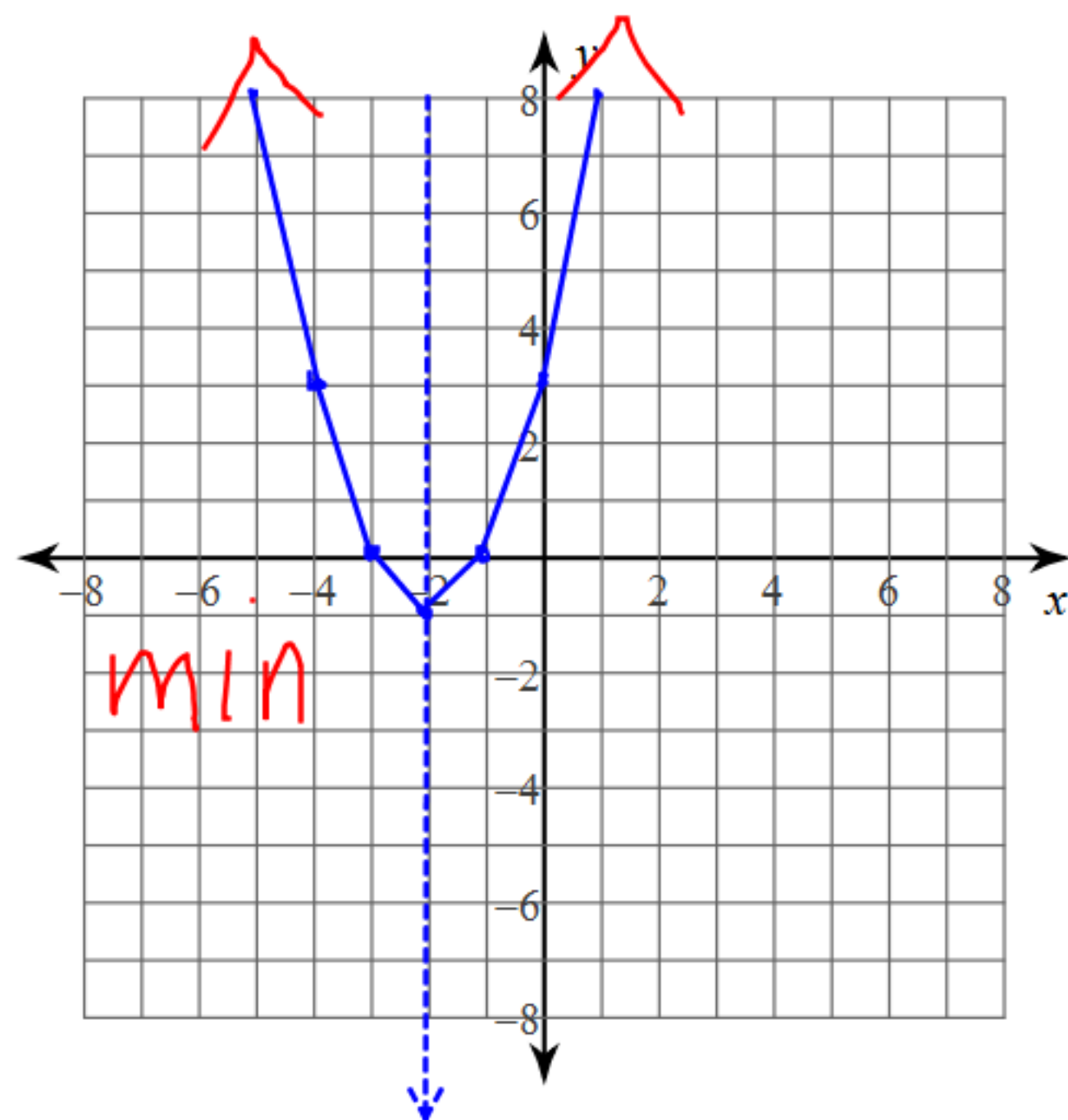


2) $y = x^2 + 4x + 3$



Identify the vertex, axis of symmetry, min/max value, and y-intercept of each., zeros (if any) Then sketch the graph.

2) $y = x^2 + 4x + 3$



$$\begin{array}{r} x^3 \\ +4 \end{array}$$

$$y = (x+1)(x+3)$$

either $x+1=0$ or $x+3=0$

$$x = -1 \text{ or } x = -3$$

zeros $\{-1, -3\}$

y intercept: $(0, 3)$

a.o.s. = -2

vertex = $(-2, -1)$

Identify the vertex, axis of symmetry, min/max value, and y-intercept of each., zeros (if any) Then sketch the graph.

1) $y = -(x - 4)^2 + 4$

$$y = a(x - h)^2 + k$$

vertex (h, k)
 $(4, 4)$

