

Current Score: 0/20 Due: Wed Aug 23 2017 11:59 PM EDT

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Total
Points	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/20

Instructions

Work each of the problems below using scrap paper, but NO CALCULATOR, BOOKS OR NOTES. All angles should be expressed in radian measure. All logarithms should be expressed in base 10.

- No Calculator, books, notes, nor any other assistance is allowed.
- You may use scratch paper.
- Express all angles using RADIANS.
- All logarithms should be expressed in base 10.

For this “Actual” survey, you will receive **no feedback** as to whether your answers are correct or not.

When time expires, your answers will be automatically submitted, but *submit after each question to avoid lost work in the event of a computer glitch.*

1. 0/1 points

WebAssignCRA1 9.1.002. [3092007]

Convert the angle from degree measure into radian measure.

 -135°

2. 0/1 points

WebAssignPRA1 3.2.005. [3101550]

Factor completely with linear and/or irreducible quadratic factors.

 $2xy - 5x - 8y + 20$

3. 0/1 points

WebAssignPRA1 5.1.002.Tut. [3101325]

Rewrite the radical expression as an exponential expression.

 $\sqrt[7]{b^6}$

4. 0/1 points

WebAssignPRA1 7.1.005.Tut. [3101170]

Solve the quadratic equation by factoring. (Enter your answers as a comma-separated list.)

 $5x^2 - 19x = -12$
 $x =$

5. 0/1 points

WebAssignPRA1 10.1.004. [3101330]

Solve for x . (Enter your answers as a comma-separated list.)

$$4x^2 + 2x = 64$$

$x =$

6. 0/1 points

WebAssignPRA1 9.3.009.Tut. [3101157]

Solve for x . (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)

$$\sqrt{3x - 8} = \sqrt{2x + 3}$$

$x =$

7. 0/1 points

WebAssignPRA1 4.3.013. [3101195]

Perform the indicated operation and express the answer as a simplified rational expression.

$$\frac{x}{x+2} + \frac{x-2}{x}$$

8. 0/1 points

WebAssignCRA1 9.4.001. [3091992]

Find the exact value of the following.

$$\arcsin\left(\frac{1}{2}\right)$$

9. 0/1 points

WebAssignCRA1 5.1.014. [3092237]

Solve for x and express your answer as an interval.

$$\left| 1 - \frac{9}{x} \right| < 4$$

10. 0/1 points

SEssCalcET2 0.Diagnostic.Functions.004c. [2092065]

How is the graph of the function obtained from the graph of f ?

$$y = f(x - 5) + 6$$

- ☐ shifted 6 units to the left and 5 units upward
- ☐ shifted 5 units to the right and 6 units downward
- ☐ shifted 5 units to the right and 6 units upward
- ☐ shifted 5 units to the left and 6 units upward
- ☐ shifted 6 units to the right and 5 units upward

If you have had difficulty with these problems, you should look at Sections 1.1 - 1.3 of your text or YouBook.

11. 0/1 points

SEssCalcET2 0.Diagnostic.Functions.007a. [2144397]

If $f(x) = x^2 + 2x - 5$ and $g(x) = 2x - 9$, find the following function.

$$f \circ g$$

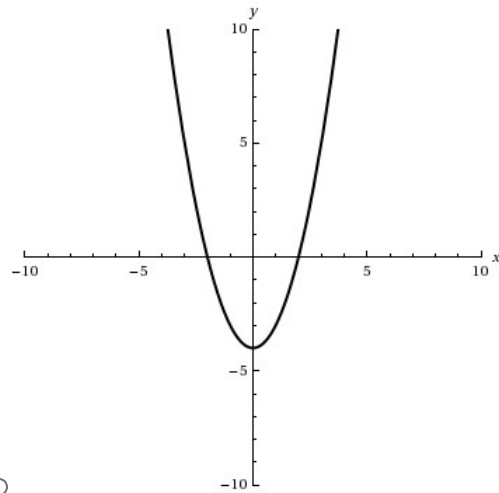
If you have had difficulty with these problems, you should look at Sections 1.1 - 1.3 of your text or YouBook.

12. 0/1 points

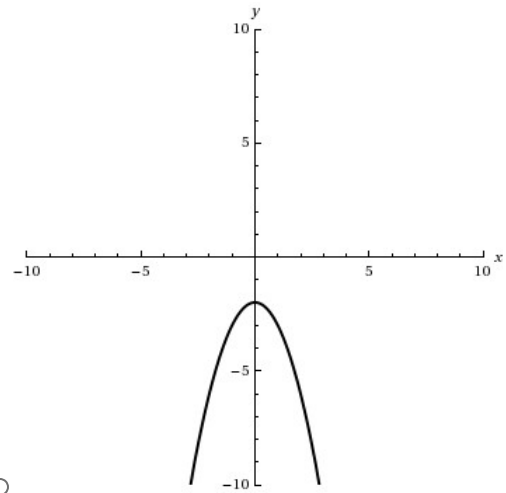
SEssCalcET2 0.Diagnostic.Functions.005d. [2091341]

Without using a calculator, make a rough sketch of the graph.

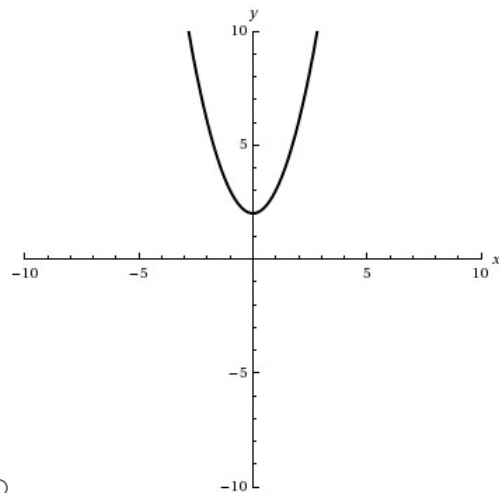
$$y = 4 - x^2$$



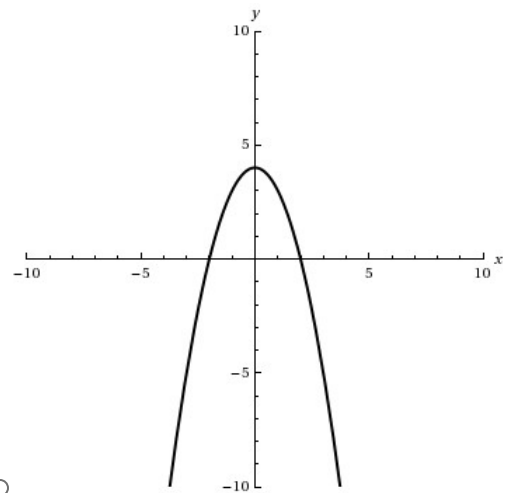
☐



☐



☐



☐

If you have had difficulty with these problems, you should look at Sections 1.1 - 1.3 of your text or YouBook.

13. 0/1 points

SEssCalcET2 A.A.010. [2146878]

Convert from radians to degrees.

$$\frac{11\pi}{3}$$

14. 0/1 points

SEssCalcET2 A.A.013. [2147668]

Find the length of a circular arc subtended by an angle of $\frac{\pi}{12}$ rad if the radius of the circle is 48 cm.

 cm

15. 0/1 points

SEssCalcET2 A.A.065. [2144714]

Find all values of x in the interval $[0, 2\pi]$ that satisfy the equation. (Enter your answers as a comma-separated list.)

$$6 \cos(x) - 3 = 0$$

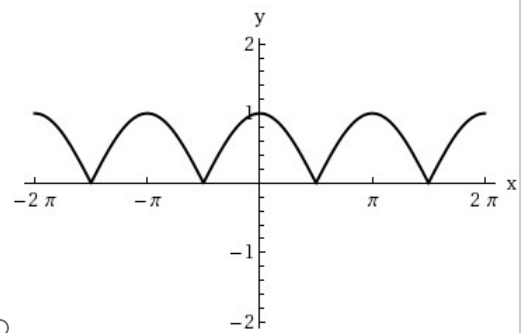
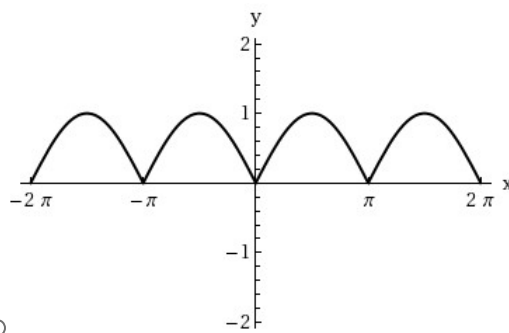
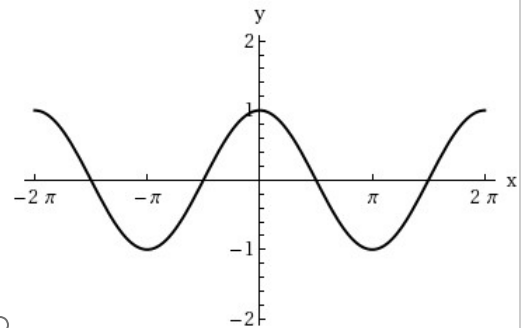
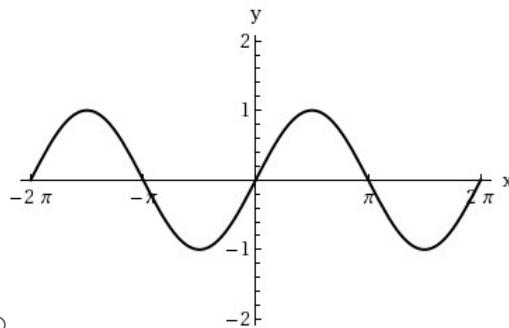
$x =$

16. 0/1 points

SEssCalcET2 A.A.081. [2208887]

Graph the function by starting with these [graphs](#) and applying these [transformations](#) where appropriate.

$$y = |\sin(x)|$$



17. 0/1 points

WebAssignCRA1 7.2.010. [3092226]

Find $(g \circ f)(x)$.

$$f(x) = 8x + 24; \quad g(x) = \frac{x}{8} - 3$$

18. 0/1 points

WebAssignCRA1 6.5.004. [3119037]

Consider the function below.

$$f(x) = \sqrt{16 - x^2}$$

Find its domain. (Enter your answer using interval notation.)

19. 0/1 points

Unit 6 Quiz6.11 [2540082]

Solve for x: $\frac{10}{1 + e^{-x}} = 2$

20. 0/1 points

Unit_Quiz4.9 [2537178]

Solve for all values of x and display your answer on the provided numberline using the virtual tools. $3x \leq 2x^2$



Flash Player version 10 or higher is required for this question.

You can [get Flash Player free from Adobe's website](#).

Assignment Details