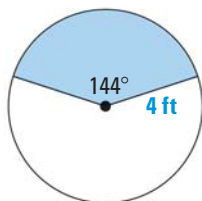


MIXED TAKS PRACTICE

7. What is one of the zeros of the function $f(x) = 3x^2 + 5x - 28$? **TAKS Obj. 5**

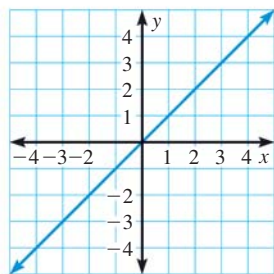
A -4
B $-\frac{7}{3}$
C $\frac{4}{3}$
D 7

8. A high school is making a collage of pictures in the shape of a circle. The shaded area of the collage represents the section reserved for the senior class. What is the approximate area of the section of the collage reserved for the senior class? **TAKS Obj. 8**



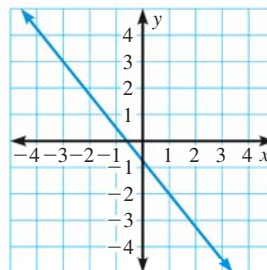
F 19.0 ft^2
G 19.5 ft^2
H 20.1 ft^2
J 22.6 ft^2

9. Which type of parent function is represented by the function graphed below? **TAKS Obj. 2**



A Absolute value
B Linear
C Quadratic
D Exponential

10. Which equation best represents the line shown? **TAKS Obj. 3**



F $-5x + 4y = 3$
G $-4x - 5y = -3$
H $4x + 5y = -3$
J $5x + 4y = -3$

11. Which of the following is the solution of this system of equations? **TAKS Obj. 4**

$$y = -\frac{3}{4}x + 5$$

$$7x + 4y = 52$$

A $(\frac{16}{5}, \frac{13}{5})$
B $(-8, 11)$
C $(8, -1)$
D $(18, -\frac{17}{2})$

12. Which expression is equivalent to $(4m + 5)(m - 1) - 2m(7m - 3)$? **TAKS Obj. 2**

F $-10m^2 + 7m - 5$
G $-10m^2 - 7m - 5$
H $-3m^2 + 7m - 5$
J $4m^2 - 13m + 1$

13. **GRIDDED ANSWER** The regular price of a CD is \$11.80. The CD is on sale for \$8.85. What percent of the regular price is saved by buying the CD while it is on sale? Express your answer as a decimal. **TAKS Obj. 9**

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.