

MATH TIMED DRILL #1 (8 minutes)

3. The yard around a certain house has a perimeter of 960 feet. Which of the following is closest to the perimeter in meters (1 foot = .3048 meter)?

- A) 89
- B) 290
- C) 3,200
- D) 6,500
- E) 10,000

7. Which expression is equivalent to $(5a^3 - 2a + 1) - (2a^3 + 2a + 1)$?

- F) $3a^3$
- G) $3a^3 + 2$
- H) $3a^3 - 4a$
- J) $3a^3 - 4a - 1$
- K) $3a^3 - 4a + 2$

$$5(y - 3)(y + 10) = 0$$

17. What positive value of y satisfies the equation above?

- A) 0
- B) 1
- C) 2
- D) 3
- E) 5

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$$\frac{x^2 - 2}{x - \sqrt{2}}$$

22. Which of the following is equivalent to the expression above for $x \neq \sqrt{2}$?

- A) x
- B) $x - 1$
- C) $x + 1$
- D) $x + \sqrt{2}$
- E) $x - \sqrt{2}$

12. If $3x - 2 \geq 1$, what is the least possible value of $3x + 2$?

- F) 5
- G) 4
- H) 3
- J) 2
- K) 1

7. This week, Danny worked 11 more hours than Ella. If they worked a combined total of 59 hours, how many hours did Ella work this week?

- A) 18
- B) 24
- C) 35
- D) 40
- E) 48

END OF DRILL #1