1. What **percent** of this diagram is shaded?

![Shaded Diagram]

A) 50%  B) 25%  C) 75%  D) 37.5%  E) $\frac{1}{4}$%  
F) none of these

1. 75%-80% answer correctly (B) Placement Level A

6. Point P represents the number:

![Number Line]

A) $1\frac{3}{4}$  B) $\frac{1}{2}$  C) $1\frac{3}{5}$  D) $1\frac{4}{6}$  E) $\frac{3}{5}$

F) none of these

6. 45%-50% answer correctly (C) Placement Level A/B
25. Which of the following numbers is the largest:

-5, 1, -3.2, \( \frac{1}{30} \), 0.625

A) -5   B) 1   C) -3.2   D) \( \frac{1}{30} \)   E) 0.625

F) none of these

25. 75%-80% answer correctly(B) Placement Level A/B

19. For the equation 2x - y = 15, the following pair of values (x,y) is a solution:

A) (9,3)   B) (9,-3)   C) (0,15)   D) (10,-5)   E) (8,0)

F) none of these

19. 45%-50% answer correctly(A) Placement Level A/B

24. The solution of the equation 5(x - 7) = 2x + 1 is:

A) 2   B) \( \frac{8}{3} \)   C) \( \frac{36}{7} \)   D) -12   E) 12

F) none of these

24. 60%-65% answer correctly(E) Placement Level B
31. The graph of \( x \leq 3 \) on the number line is which of the following:

A)  
\[ \begin{array}{c}
-3 & 0 & 3 & 6 \\
\end{array} \]

B)  
\[ \begin{array}{c}
-3 & 0 & 3 \\
\end{array} \]

C)  
\[ \begin{array}{c}
-3 & 0 & 3 \\
\end{array} \]

D)  
\[ \begin{array}{c}
0 & 2 & 4 \\
\end{array} \]

E)  
\[ \begin{array}{c}
-3 & 0 & 3 \\
\end{array} \]

F) none of these

31. 60%-65% answer correctly (B) Placement Level B/C

39. In the triangle below, the measure of angle A is: \( m(\angle A) = \) _____

\[ \begin{array}{c}
A \quad B \quad C \\
\end{array} \]

\[ \begin{array}{c}
40^\circ \\
A \quad \quad \quad C \\
\end{array} \]

A) 50° B) 140° C) 70° D) 40° E) 45°

F) none of these

39. 50%-55% answer correctly Placement: Geometry
32. The equation $5x + 2y = 10$ is graphed below:

The slope of this line is

A) $\frac{5}{2}$  
B) $\frac{5}{2}$  
C) $\frac{2}{5}$  
D) $\frac{2}{5}$  
E) 5  

F) none of these

32. 20%-25% answer correctly(A)  Placement: Level B/C
Here is the graph of a function $y = f(x)$.
Which of the following statements is true?

A) The function has a maximum at $x = 5$.
B) The function has a minimum at $x = -1$.
C) The vertical intercept of the graph is $(0, -1)$.
D) The graph has two horizontal intercepts.
E) The function has no maximum value.
F) none of these

45. 20%-25% answer correctly (D) Placement: Level C/D