MATHEMATICS PLACEMENT TEST
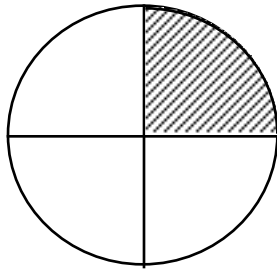(A few sample questions)

1. What percent of this diagram is shaded?

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:

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:

$$-5, \qquad 1, \qquad -3.2, \qquad \frac{1}{30}, \qquad 0.625$$

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

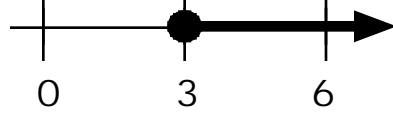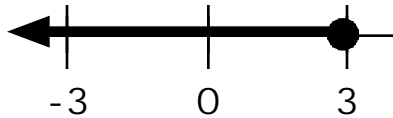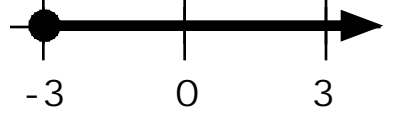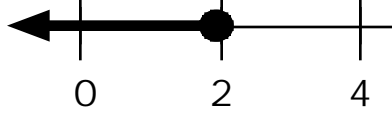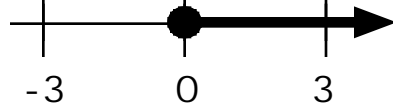19.   45%-50% answer correctly(A)   Placement Level A/B

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
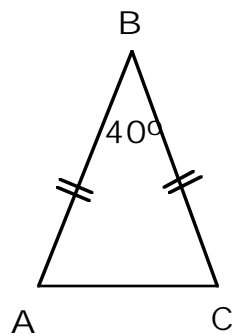
24.   60%-65% answer correctly(E)   Placement Level B

31. The graph of x ≥ 3 on the number line is which of the following:

A)

$$\xleftarrow{\hspace{1em}} \quad 0 \quad \bullet\!\!\!\xrightarrow{\hspace{2em}} \quad$$
0   3   6

B)

$$\xleftarrow{\hspace{2em}}\!\!\!\bullet$$
-3   0   3

C)

$$\bullet\!\!\!\xrightarrow{\hspace{2em}}$$
-3   0   3

D)

$$\xleftarrow{\hspace{2em}}\!\!\!\bullet$$
0   2   4

E)

$$\bullet\!\!\!\xrightarrow{\hspace{2em}}$$
-3   0   3

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(∠ A) = _____

B

40°

A   C

A) 50⁰ B) 140⁰ C) 70⁰ D) 40⁰ E) 45⁰

F)   none of these

39.   50%-55% answer correctly   Placement: Geometry

32. The equation $5x + 2y = 10$ is graphed below:
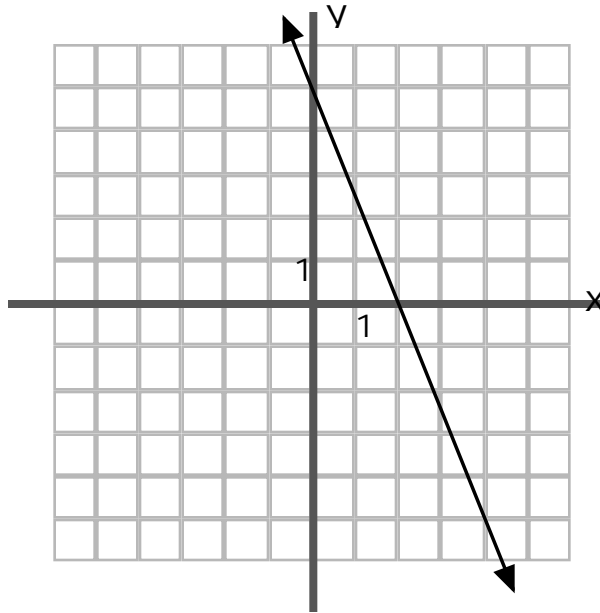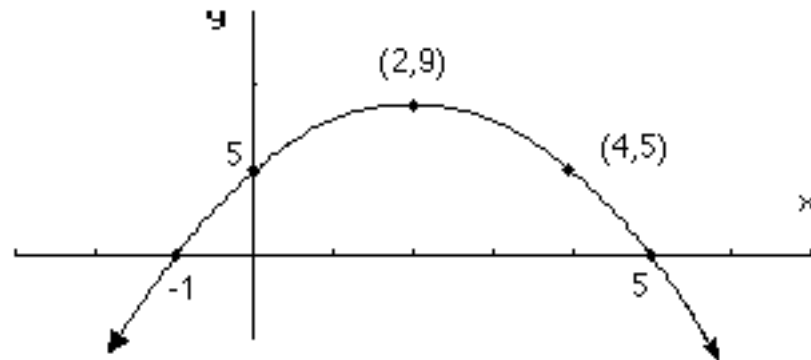

The slope of this line is

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

F) none of these

32.   20%-25% answer correctly(A)   Placement: Level B/C

45.

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