EMSAT

Mathematics

Level: 2

Practice 9
Solving Equations and Inequalities

EDUWAVES
Navigate Your Path To Success

1. Solve $x + 4 = 7$

A $x = -3$ or $x = -12$
B $x = -7$ or $x = 2$
C $x = 8$ or $x = 11$
D $x = 3$ or $x = -11$

2. Solve $9 + 3x+5 = 4$.

A $x = 3$ or $x = -2$
B $x = 3$ or $x = -4$
C $x = 9$ or $x = -2$
D no solution

3. Solve $-4+ 3x-5 = -2$

A $x = 3/7$ or $x = 1/7$
B $x = 3$ or $x = 1/7$
C $x = 7/3$ or $x = 1$
D $x = 3$ or $x = 1$

4. Solve $4x-2 \leq 10$

A $(-2, -3]$
B $[-2, 3)$
C $[-2,3]$
D $[2, -3)$

5. Solve $2x-4 > 6$

A $(-\infty,-2)$ $(5,\infty)$
B $(-\infty,-1)$ $(5,\infty)$
C $(-\infty,-2)$ $(3,\infty)$
D $(-\infty,-4)$ $(7,\infty)$

6. Solve $x^2 - 5x + 6 < 0$

A $(5,6)$
B $(2,3)$
C $(0,6)$
D $(-\infty,2)$ $(3,\infty)$

7. Solve $x^2 + 4x - 5 \leq 0$

A $(-5, 1)$
B $(-5, 4)$
C $(-4, 5)$
D $(-4, 0)$

8. Solve $x^2 - 3x \geq 0$

A $(-\infty,0]$ $[3,\infty)$
B $(-\infty,0]$ $[2,\infty)$
C $(-\infty,-3]$ $[0,\infty)$
D no solution

LIVEWORKSHEETS