Name : _____ Score : _____

Identifying Solutions

ES4

Choose the correct solution that best describes each inequality.

1) $\frac{x}{2} \geq 3$

a) [6, ∞) b) (6, ∞)

c) (−∞, 6) d) (−∞, 6]

2) $8 + x \leq 17$

a) [9, ∞) b) (−∞, −9]

c) (−∞, 9] d) (9, ∞)

3) $5x > 35$

a) (−∞, 7] b) (−∞, 21]

c) (−∞, 7) d) [21, ∞)

5) $x - 5 < 10$

a) (−∞, 15] b) (3, ∞)

c) [−15, ∞) d) [3, ∞)

7) $x + 11 \geq 4$

a) [7, ∞) b) (−∞, −21)

c) (−∞, −7) d) (−∞, 7] c) (−∞, 21) d) (−∞, 21]

9) $7x \leq 14$

a) (2, ∞) b) (−∞, 2)

c) (−∞, 2] d) [2, ∞)

10) $\frac{x}{6} > 1$

a) (6, ∞) b) [6, ∞)

c) (−∞, 6) d) (−∞, 6]

Name : _____ Score : _____

Answer key

Identifying Solutions

ES4

Choose the correct solution that best describes each inequality.

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