

Student Name: _____

Score: _____

Solve – Compound Inequalities

$$-23 < 5x + 2 < 17$$

Answer:

$$-5 - x \geq 7 \text{ or } \frac{x}{-4} < -1$$

Answer:

$$7x - 2 > -2 \text{ or } 4x - 3 \leq -25$$

Answer:

$$3x > 27 \text{ or } x - 12 < -4$$

Answer:

$$1 < 5 + 2x < 7$$

Answer:

$$-7x - 4 \geq -3x + 4 \text{ or } 4x \geq x + 9$$

Answer:

Student Name: _____

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Answers

$-23 < 5x + 2 < 17$	$-5 - x \geq 7 \text{ or } \frac{x}{-4} < -1$
Answer: $-5 < x < 3$	Answer: $x \leq -12 \text{ or } x > 4$
$7x - 2 > -2 \text{ or } 4x - 3 \leq -25$	$3x > 27 \text{ or } x - 12 < -4$
Answer: $x > 0 \text{ or } x \leq -\frac{11}{2}$	Answer: $x > 9 \text{ or } x < 8$
$1 < 5 + 2x < 7$	$-7x - 4 \geq -3x + 4 \text{ or } 4x \geq x + 9$
Answer: $-2 < x < 1$	Answer: $x \leq -2 \text{ or } x \geq 3$