

1.6

Writing an Inequality

• Example 1

Translate “5 is greater than x ” to an algebraic expression.

We obtain:

$$5 > x$$

● ● ● CHECK YOURSELF 1

Translate “3 is less than x ” to an algebraic expression.

● ● ● CHECK YOURSELF ANSWER

1. $3 < x$.

1.6 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

Translate each of the following statements into an inequality in the variable x .

1. 5 more than x is greater than 3.

2. 3 less than x is less than or equal to 5.

3. x is less than or equal to 7.

4. 4 is greater than or equal to twice x .

5. 6 is less than x

6. 8 more than twice x is greater than 15.

7. 4 times x less than 12 is less than 2.

8. 8 less than 3 times x is greater than or equal to 4.