**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Algebra Concepts – Assignment 3-5**

**Solve for x.**

1. *x* = 6

|----------------------------------------------*x*-----------------------------------------------------|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

|-------------------------6------------------------|

2. 

|-----------------------------------------*x*--------------------------------------------|

|  |  |
| --- | --- |
|  |  |

|--------------------7---------------------|

3. 

|-------------------------------------------------*x*---------------------------------------------------|

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

|-------------------------------12------------------------------|

**Build Your Own Model to Solve for *x***.

4. 

5. 

6. 6

**Solve using your brain.**

7. Justin finished  of his math homework in 12 minutes. At this rate, how long would it take for Justin to finish all of his math homework?

8. Caitlyn mowed  of her lawn in 15 minutes. At this rate, how long would it take Caitlyn to finish mowing her lawn?

**Review**

**Use the pattern below to answer questions 9 and 10.**

**Figure 1 Figure 2 Figure 3**

**  **

9. How many apples are in Figure 8?

10. What figure will have 25 apples?