

| Questions: | Noles: |
| :--- | :--- |
|  | Example 2 <br> $x(x-3)-51=-3 x+13$ |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## M7 L5 Classwork

Partner A Name: $\qquad$ Partner B Name: $\qquad$ Cohort: $\qquad$
Partner A do odd number questions
Partner $B$ do even number questions

## Exercises

Find the positive value of $x$ that makes each equation true, and then verify your solution is correct.
1.
a. Solve $x^{2}-14=5 x+67-5 x$.
b. Explain how you solved the equation.
2. Solve and simplify: $x(x-1)=121-x$

## M7 L5 Classwork

Partner A Name: $\qquad$ Partner B Name: $\qquad$ Cohort: $\qquad$
Partner A do odd number questions
Partner $B$ do even number questions
3. A square has a side length of $3 x$ inches and an area of $324 \mathrm{in}^{2}$. What is the value of $x$ ?
4. $-3 x^{3}+14=-67$
5. $x(x+4)-3=4(x+19.5)$
6. $216+x=x\left(x^{2}-5\right)+6 x$

1. Find the positive value of $x$ that makes the equation true, and then verify your solution is correct.

$$
x^{2}+4 x=4(x+16)
$$

2. Find the positive value of $x$ that makes the equation true, and then verify your solution is correct.

$$
(4 x)^{3}=1728
$$

