|  |  |
| --- | --- |
| **C** | **B** |
| $$x^{2}=-9$$ | $$6x=6$$ |
| **A** | **H** |
| $$3+x=x+3$$ | $$2\left(x+3\right)=2x+6$$ |
| **D** | **G** |
| $$6x=x$$ | $$x+2=x+4$$ |
| **F** | **E** |
| $$x-6=6-x$$ | $$2\left(x-3\right)=2x-3$$ |

Green

|  |  |
| --- | --- |
| **R** | **S** |
| $$x+6=y+6$$ | $$\left(x+3\right)^{2}=x^{2}+9$$ |
| **Q** | **W** |
| $$\left(x-6\right)^{2}=\left(6-x\right)^{2}$$ | $$-x\left(3x+1\right)=-3x^{2}-x$$ |
| **V** | **P** |
| $$\sqrt{36x^{2}-9x^{2}}=6x-3x$$ | $$\left(x+1\right)\left(x+6\right)=x^{2}+16$$ |
| $\frac{x}{6}=\frac{6}{x}$**U** | $\left(-2x^{2}\right)^{3}=-6x^{5}$**S** |

Red

|  |  |
| --- | --- |
| **M** | **J** |
| $$x^{2}+x^{2}=2x^{2}$$ | $$\left(3x\right)^{2}=9x^{2}$$ |
| **K** | **I** |
| $$6-3x=3x$$ | $$6+2x=8x$$ |
| **N** | **O** |
| $$3\left(2x^{2}+3\right)=6x^{2}+6$$ | $$x+x=x^{2}$$ |
| **L** |  |
| $$x^{2}+6=0$$ |  |

Orange

**X**

$$2x+3x=5x$$

**Y**

$$x+2=5$$

**Z**

$$x^{2}=0$$

**AA**

$$x+3=x$$