****

Name the Film

**Solving Compound Inequalities**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | G | H | I | J | K | L | M |
| $$1<x$$ | $$x\leq 0$$ | $$-2<x$$ | $$x\leq 6$$ | $$x\leq 4$$ | $$x>-1$$ | $$5<x$$ | $$3<x$$ | $$x\leq -4$$ | $$2\leq x$$ | $$x<-3$$ | $$x<-1$$ | $$x\leq -6$$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| $$x<5$$ | $$-2\leq x$$ | $$x\leq 3$$ | $$0<x$$ | $$-4\leq x$$ | $$-5\leq x$$ | $$x<3$$ | $$-1\leq x$$ | $$0\leq x$$ | $$x<2$$ | $$x<1$$ | $$6\leq x$$ | $$x<4$$ |

Solve each compound inequality, link your answers the two separate inequalities in the table and unjumble the letters to find the name of a film:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Equation | $$-5\leq 5x\leq 30$$ | $$2<x-1\leq 3$$ | $$-1\leq \frac{x}{2}<2.5$$ | $$-2\leq 3x-2<13$$ | $$7<5+2x<11$$ |
| Solution |  |  |  |  |  |
| Letters |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Equation | $$-2\leq 2\left(x+1\right)<8$$ | $$x\leq 2x+4\leq 12$$ | $$-1<\frac{x}{3}-2\leq 0$$ | $$4<1-3x\leq 13$$ |
| Solution |  |  |  |  |
| Letters |  |  |  |  |