

1. Find all excluded values for the expression.

That is, find all values of t for which the expression is undefined.

HWS.2

$$\frac{7t-5}{3t+6}$$

$$3t+6=0$$

~~-6~~ -6

$$t = -2$$

Set the denominator equal to zero & solve.

$$3t = -6$$

~~3~~ 3

If there is more than one value, separate them with commas.

2. Find all excluded values for the expression.

That is, find all values of t for which the expression is undefined.

$$\frac{t^2 - 5t - 14}{t^2 - 9}$$

$$t^2 - 9 = 0$$

$$(t+3)(t-3) = 0$$

$$t+3=0 \quad \text{and} \quad t-3=0$$

~~-3~~ -3 +3 +3

$$t = -3 \quad \quad t = 3$$

$$t = -3, 3$$

If there is more than one value, separate them with commas.

5.2 Restrictions #1 Answers for class Integrated Math 3

1. $t = -2$

2. $t = -3, 3$