Name: _____

Geometry

1.3 Using Midpoint and Distance Formulas

Midpoint

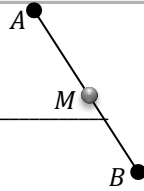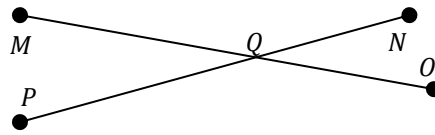What is it like?   What are some examples?

- _____   - _____
- _____   - _____
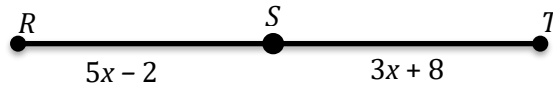 _____   - _____

_____ is something that intersects a segment at its _____.

$\overline{MO}$ bisects $\overline{NP}$ at Q. If $PQ = 22.6$, find PN.

Point S is the midpoint of $\overline{RT}$. Find ST.

R S T

$5x - 2$ $3x + 8$

Midpoint Formula

Midpoint = _____

Find the midpoint of $G(7, -2)$ and $H(-5, -6)$

The midpoint of $\overline{AB}$ is $M(5, 8)$. One endpoint is $A(2, -3)$. Find the coordinates of endpoint B.

Distance Formula

d = _____

What is PQ if $P(2, 5)$ and $Q(-4, 8)$?

Assignment: 24 #2, 4, 6, 8, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 44, 46, 48, 50, 59 = 20 total