

Balance Scales

Concept

Solve for the unknown bag X.

Name: _____

Date: _____

Think: Take the SAME amount off both pans and the scale still balances.

1. How heavy is the bag? Find X so the scale balances.

1)

$$\boxed{X + 7}$$

=

$$\boxed{20}$$

X = _____

2)

$$\boxed{X - 3}$$

=

$$\boxed{8}$$

X = _____

3)

$$\boxed{X + 6}$$

=

$$\boxed{20}$$

X = _____

4)

$$\boxed{X + 10}$$

=

$$\boxed{17}$$

X = _____

5)

$$\boxed{X + 1}$$

=

$$\boxed{3}$$

X = _____

6)

$$\boxed{X + 12}$$

=

$$\boxed{15}$$

X = _____