

Name _____

Date _____

EQUAL SETS

Equal sets have **exactly the same members**.

The following are equal sets:

1) $A = \{\triangle, \circle, \square\}$

$B = \{\triangle, \circle, \square\}$

2) $C = \{2, 4, 6, 8\}$

$D = \{4, 6, 8, 2\}$

3) $E = \{\text{shoe, hat, shirt}\}$

$F = \{\text{shirt, hat, shoe}\}$

* Notice that the order of the elements does **NOT** matter.

C and D; and E and F are still equal sets.

4) $G = \{m, a, t, e\}$ $H = \{t, e, a, m\}$ G and H are **equal sets**.

5) $I = \{m, a, t, e\}$ $J = \{\text{team}\}$ I and J are **not equal** because I is the set of the letters "m, a, t, e" while J is the set of the word "team".

6) $K = \{m, a, t, e\}$ $L = \{\text{mate}\}$ K and L are **not equal** because K is the set of the letters "m, a, t, e" while L is the set of the word "mate".

7) $M = \{\text{table, cloth}\}$ $N = \{\text{tablecloth}\}$ M and N are **not equal** because...
N is the set of the words _____ and _____ while M is the set of the word _____.

Ex. 1 Select the correct answer from the brackets.

- 1) $X = \{a, b, c, d\}$ $Y = \{d, a, b, c\}$ X and Y are (equal / not equal) sets.
- 2) $P = \{\text{dog, fish}\}$ $Q = \{\text{fish, dog}\}$ P and Q are (equal / not equal) sets.
- 3) $R = \{\text{red, blue}\}$ $S = \{\text{pink, gold}\}$ R and S are (equal / not equal) sets.

