

p 71

2.

4.

5.

6.

7.

8.

10.

12.

14.

16.

A. Let p be $\frac{x}{4} - 2 = 6$ and let q be $x = 32$

Conditional $p \rightarrow q$

True/False

Converse $q \rightarrow p$

True/False

Inverse $\sim p \rightarrow \sim q$

True/False

Contrapositive $\sim q \rightarrow \sim p$

True/False

18.

Conditional $p \rightarrow q$

True/False

Converse $q \rightarrow p$

True/False

Inverse $\sim p \rightarrow \sim q$

True/False

Contrapositive $\sim q \rightarrow \sim p$

True/False

22.

Conditional $p \rightarrow q$

True/False

Converse $q \rightarrow p$

True/False

Inverse $\sim p \rightarrow \sim q$

True/False

Contrapositive $\sim q \rightarrow \sim p$

True/False

B. Let p be "two lines intersect" and q be "intersection is exactly one point".

Conditional $p \rightarrow q$

True/False

Converse $q \rightarrow p$

True/False

Inverse $\sim p \rightarrow \sim q$

True/False

Contrapositive $\sim q \rightarrow \sim p$

True/False

26.

27.

28.

30.

32.

34.

36.

38.

46.

48.

50.

52.

58.