

Assignment

Date _____ Period _____

Solve each triangle. Round your answers to the nearest tenth.

1) In $\triangle KHP$, $m\angle K = 75^\circ$, $p = 12$, $k = 13$

2) In $\triangle DEF$, $m\angle D = 123^\circ$, $f = 35$, $d = 35$

3) In $\triangle PQR$, $m\angle P = 27^\circ$, $r = 27$, $p = 21$

4) In $\triangle RPQ$, $m\angle R = 41^\circ$, $q = 23$, $r = 19$

Answers to Assignment (ID: 1)

1) $m\angle H = 41.9^\circ, m\angle P = 63.1^\circ, h = 9$

3) $m\angle Q = 117.3^\circ, m\angle R = 35.7^\circ, q = 41.1$

Or $m\angle Q = 8.7^\circ, m\angle R = 144.3^\circ, q = 7$

2) Not a triangle

4) $m\angle P = 86.4^\circ, m\angle Q = 52.6^\circ, p = 28.9$

Or $m\angle P = 11.6^\circ, m\angle Q = 127.4^\circ, p = 5.8$