

Tell which family each equation or verbal scenario belongs to. You may say "haven't learned yet!"

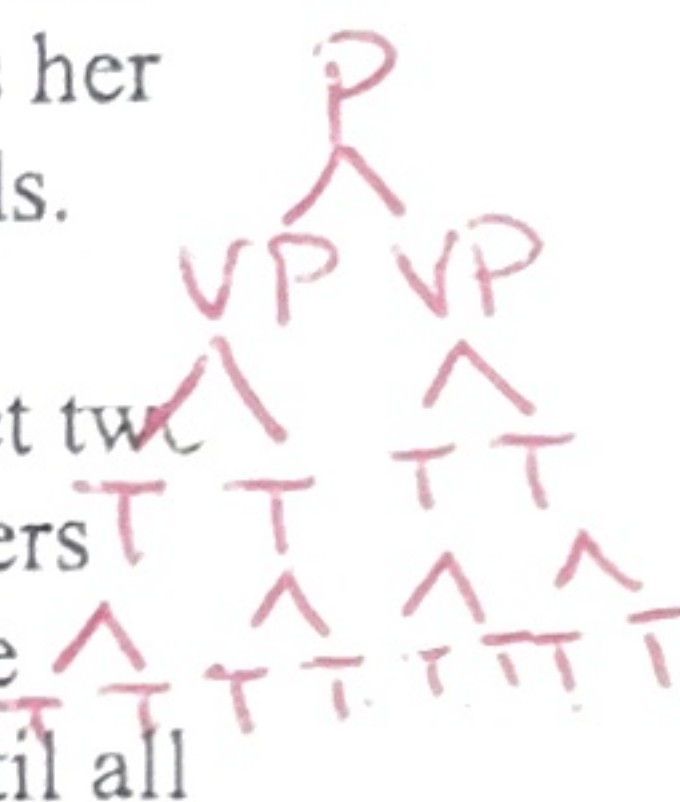
1) $h(x) = |2x - 7| + 10$
Abs. Value

2) $g(x) = -\frac{1}{2}(x-4)^2 + 7$
Quad.

3) $f(x) = -\frac{x}{3} + 4$
Linear

4) A high school mathematics teacher measures his height (72 inches) every day for a month.
Constant

5) Emily collected 80 pieces of candy from trick or treating. Each day after Halloween, Emily plans to eat half of the candy which she has left.
Not learned yet
 80
 40
 20
 10

6) When it snows, teachers in West Fork have a phone tree to contact each other. The principal contacts her two assistant principals. The two assistant principals each contact two teachers. Those teachers each contact two more teachers and so on until all teachers have been contacted.


Row	1	2	3	4
People	1	2	4	8

Not learned yet

For each graph, tell which family it belongs to. You may say "haven't learned yet!"
 For ALL graphs, give its domain, range, and intervals of increase, decrease, and constant.

