

1a) $P(n) = 1.033n + 7.733$

b) 7.733 pounds

c) 47.0 pounds

d) 1.033 pounds per week

e) 26.4 weeks

2a) $Y(n) = -1.323n + 281.8$

b) 281.8 grams

c) 83.3 grams

d) 1.323 grams per row

e) about 206 rows

3a) $P(n) = 71.2n - 130.6$

b) 71.2 mph

c) 154.2 mile mark

d) 5.2 hours after noon, so about 5:12 PM

4a) $V(n) = 269000n + 4523000$

b) 4792000 viewers

c) 8023000 viewers

d) 269000 new viewers

e) episode 9