

Example Test for "MarkSpace" Grading Software

Name/ID: Example Solutions Period:

1) Describe how making a test analysis software package helps society. (1 point)

It makes grading more consistent
It saves teachers time.

2) Solve for $x = 0$ $f(x) = 21x^3 - 6$ (1 point)

$$21 \times 0^3 - 6 = 0 - 6$$
$$f(0) = -6$$

3) Solve for $f(x) = 0$ $f(x) = (x-3)(2x+7)$ (2 points)

1st solution $(x-3) = 0 \Rightarrow x = 3$

2nd solution $(2x+7) = 0 \Rightarrow x = -3\frac{1}{2}$

4) Which fictional character lives in a pineapple under the sea? (1 point)

Spongebob square pants

5) What is the 7th Prime number? (13 points)

17

6a) Which boat has right of way when two sailing boats are going to collide head on (give the simplest answer)? (2 points)

Vessel on Starboard tack

6b) Give three cases where the simple view of the give-way boat does not hold. (3 points)

1) port tack vessel is restricted by draught
1) starboard tack vessel has its engine on
1) port tack vessel is not under command

7) How much does it cost for a cartel to bribe the previous Mexican president? (1 point)

100 M\$

8) How do we know the answer to (7)? (3 points)

Alex Ciguentes Villa a witness at EL Chapo's trial in New York gave this during testimony.

9) How much vitamin C does a typical orange have? (1 point)

50 → 100 mg

10) How much vitamin C does a typical kiwi have? (1 point)

60 → 160 mg

11) How does the colour of the fruit relate to the vitamin C content? (1 point)

It does not, colour is not a property of vitamin C content.