Homework 1 84.00/100.00 (84.00%)

October 24, 2019

Problem 2 score: 9/10 [1]

$$\left(\frac{x^4 - 5x^3 + \sqrt{x}}{x^2}\right)' = \underbrace{\cancel{x^2 - 5x + x^{-1,5}}}_{\text{did you mean } (x^2 - 5x + x^{-1,5})'?}$$

Problem 10 score: 0/10 [2]

$$\big((v^3 - 2v)(v^{-4} + v^{-2})\big)' = \cancel{(3v^2 - 2)(-4v^{-5} - 2v^{-3})}.$$

Problem 19 score: 10/10

ok

Problem 28 score: 10/10

ok

Problem 35(a) score: 10/10

ok

Problem 36(a) score: 10/10

ok

Problem 44 score: 10/10

(a) ok;

(b) ok;

(c) ok;

(d) ok;

[1] similar problems: 1
[2] similar problems: 9,11

Problem 45 score: 10/10

ok

Problem 50 score: 5/10[3]

(a) ok;

(b) NOT ok ($5\frac{2}{3} \neq 5 \cdot \frac{2}{3}$);

Problem 56 score: 10/10

ok

make-up #1

Problem 2

ok

Problem 10

NOT ok

$$\left(3v^2-2\right)\left(v^{-4}+v^{-2}\right)+\left(v^3-2v\right)\left(-4v^{-5}-2v^{-3}\right)=3v^{-2}+3-2v^{-4}\cancel{+2v^{-2}}+8v^{-4}+4v^{-2}-4v^{-2}-2.$$

Problem 50

(a) OK

(b) NOT ok

$$3\frac{1}{3}+\frac{1}{4} \neq 3\frac{7}{3}\left(=3\frac{7}{12}\right).$$

[3] similar problems: 49