$$= x^2 + y^2$$

$$(2-i) - (1-i2) - 1+i$$

b)
$$(\int_{-1}^{2} 2^{-i}) - i(1 - i\int_{2}^{2}) = \int_{-1}^{2} - i - i - i\int_{2}^{2} = -2i$$

 $|-2i| = \int_{2}^{2^{2}} = 2$
 $0 \neq 2i$, $2 = \int_{-1}^{2} |-2i| = 2e^{-1/2}i$

$$0 \neq 7i$$
, $2 = 2e^{-iT/2}$

(2-i3)(-2+i)0) -4+2i+6i+3i = + to -1+8i 165 Ltan (8/1) T65 11.6952 = T65 e 1.69526 d) (3+i)(3-i)(1/4+i1/10) JIO e . JIO E . JO.05 E 100x015 e . e = 55 e 15 (cos (osts) + i sin (osts) Actual: from MATLAG 2 + i 2 + i 2 + i 2 + i b) 1+i2 + 2-i 11 -1 -1 -1 11 1+12 (3+4) - (2-8)(51) 50 (50) (3-14)(3+14) 3 +4i+6i-8 - 5+10i - -10 - -0.4

f

$$\frac{5e}{(1-i)(2-i)(3-i)} - \frac{5e^{\circ}}{52e^{-1/4i}} = \frac{5e^{\circ}}{55e^{-0.463}} = \frac{-0.321}{10e^{\circ}}$$

$$\frac{5 e^{0-(-\pi/4-0.463-0.321)i}}{\sqrt{10\times10}}$$

$$\frac{5 e^{-(-\pi/4-0.463-0.321)i}}{5 e^{-(-\pi/4-0.463-0.321)i}}$$

$$\frac{5}{10}$$

9)
$$(1-i)^4 = (52 e^{-\pi/4i})^4 = -(52)^4 e^{-\pi/4i}$$

3.
$$2e^{i\pi/4}$$

2 $(\cos \pi/4 + c \sin \pi/4)$

1. $4|4 + i \cdot 4|4 i$

4. $8(\cos \pi/3 + c \sin \pi/6)$

8 $(\cos 5 + \cos i) = 4 + 4 i$

2 $(\cos \pi/3 + c \sin \pi/6)$

4 $e^{\pi/4i}$

7 $e^{\pi/4i}$

9 $e^{\pi/4i}$

9 $e^{\pi/4i}$

1 $e^{\pi/4i}$

1 $e^{\pi/4i}$

1 $e^{\pi/4i}$

1 $e^{\pi/4i}$

1 $e^{\pi/4i}$

2 $e^{\pi/4i}$

2 $e^{\pi/4i}$

3 $e^{\pi/4i}$

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8 $e^{\pi/4i}$

9 $e^{\pi/4i}$

1 $e^{\pi/4i}$

2 $e^{\pi/4i}$

3 $e^{\pi/4i}$

4 $e^$

1.
$$3\sqrt{1+i} = (e^{i\pi/4})^{1/3} = (e^{i(\pi/4+2k\pi)})^{1/3}$$
 $k=0$
 $e^{i\pi/12}$
 $k=1$
 $e^{i\pi/4}$
 $k=2$
 $e^{i\pi/4}$
 $k=3$
 $k=4$
 $k=4$
 $k=4$
 $k=4$
 $k=4$
 $k=6$
 $k=$