Geometry

Emphasis on Distance Formula

Find the distance between the given points:

1. (−4,7) & (3,9) $\sqrt{(3+4)^2+(9-7)^2}$ $\sqrt{53}$	2. (8,2) & (−1,−5) $\sqrt{(-1-8)^2+(-5-2)^2}$ $\sqrt{130}$
3. (11,6) & (8,13) $\sqrt{(8-11)^2+(13-6)^2}$ $\sqrt{58}$	4. (3,−5) & (13,−11) $\sqrt{(13-3)^2+(-11+5)^2}$ $\sqrt{136}$
5. (−12,−2) & (−10,−6) $\sqrt{(-10+12)^2+(-6+2)^2}$ $\sqrt{20}$	6. (8,1) & (−2,9) $\sqrt{(-2-8)^2+(9-1)^2}$ $\sqrt{164}$
7. (1,2) & (6,3) $\sqrt{(6-1)^2+(3-2)^2}$ $\sqrt{26}$	8. (3,−4) & (0,12) $\sqrt{(0-3)^2+(12+4)^2}$ $\sqrt{265}$
9. (−6,−7) & (11,−12) $\sqrt{(11+6)^2+(-12+7)^2}$ $\sqrt{314}$	10. (−10,8) & (−8,−8) $\sqrt{(-8+10)^2+(-8-8)^2}$ $\sqrt{260}$

11. (4,0) & (5, −6) $\sqrt{(5-4)^2+(-6-0)^2}$ $\sqrt{37}$	12. (7,9) & (−2, −10) $\sqrt{(-2-7)^2+(-10-9)^2}$ $\sqrt{442}$
13. (−4, −5) & (5,1) $\sqrt{(5+4)^2+(1+5)^2}$ $\sqrt{117}$	14. (4, −2) & (−8,2) $\sqrt{(-8-4)^2+(2+2)^2}$ $\sqrt{160}$
15. (−9,5) & (0, −1) $\sqrt{(0+9)^2+(-1-5)^2}$ $\sqrt{117}$	16. (−2,4) & (7,2) $\sqrt{(7+2)^2+(2-4)^2}$ $\sqrt{85}$
17. (−7, −8) & (5, −1) $\sqrt{(5+7)^2+(-1+8)^2}$ $\sqrt{193}$	18. (−8,5) & (−7,6) $\sqrt{(-7+8)^2+(6-5)^2}$ $\sqrt{2}$
19. (1, −4) & (−5,7) $\sqrt{(-5-1)^2+(7+4)^2}$ $\sqrt{157}$	20. (9,0) & (−3, −2) $\sqrt{(-3-9)^2+(-2-0)^2}$ $\sqrt{148}$